STEP1: Fixing first detection is, testing V=m; (+redoing some of Ryon's Calculations)

Value max

(TV) a ||V||<sup>2</sup> + V Y }

(TV) a ||V||<sup>2</sup> + V Y } each k'thrower T corresponds to some i. in Pact, let's substitute in (i, s) for k  $m_{i} = \begin{pmatrix} \frac{1}{2} & \frac{1}$ 行べ  $m_{i}^{T}m_{j} = \lambda \left(\frac{1}{n-i}\right) + \left(\frac{1}{n-i}\right) + \left(\frac{1}{n-i}\right) \left(\frac{1}{n-i}\right) \left(\frac{1}{n-i}\right) \left(\frac{1}{n-i}\right)$  $m_1^{-1}m_2 = \frac{1}{n_1} + \frac{3-1}{(n_1-1)^2} + \frac{1}{n_2}$  $V_{BS}^{10} = m_{DX} \left\{ \begin{array}{c} -(b_{3} + sb_{1})^{T} \gamma \\ \frac{1}{3} \sqrt{\frac{n}{3}} \\ \frac{1}{3} \sqrt{\frac{n}{3}} \sqrt{\frac{n}{3}} + s \sqrt{\frac{n}{3}} \sqrt{\frac{n}{3}$ 

STEP2: Simplifying it even further to match Ryan's original notation:

$$= \max \left\{ \begin{array}{c} \max \left\{ \begin{array}{c} -j \\ i \in j \\ s = 1 \end{array} \right\} \right\} + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-j) \\ i (n-i) \end{array} \right] + \left[ \begin{array}{c} \sum (n-$$

$$\frac{may}{show they diffen!} = \frac{s(n-j)}{s-j} + \frac{s(n-j)}{(n-j)} + \frac{s($$

Rean's